

RNA-seq: First strand synthesis was performed using Maxima H Minus Reverse Transcriptase (Thermo Fisher Scientific) and primed using the oligo(dT)- ME-B fusion oligonucleotide. Tagmentation was then performed using 100ng of RNA-cDNA hybrids, ME-A loaded pA-Tn5, and tagmentation buffer (20 mM HEPES pH7.5, 150 mM NaCl, 10 mM MgCl₂) for 1 hour at 37 °C. Tagmented RNA-cDNA hybrids were purified using 1x ratio of HighPrep PCR Cleanup System (MagBio) as per manufacturer's instructions. Sequencing libraries were amplified using NEBNext Master Mix (NEB). The following PCR conditions were used: 1) 58 °C for 5 minutes, 2) 72 °C for 5 minutes, 3) 98 °C for 30 seconds, 4) 98 °C for 10 seconds, 5) 60 °C for 15 seconds, 6) Repeat steps 4-5 11 times, 7) 72 °C for 2 minutes, 8) Hold at 4 °C. Libraries were then purified using 0.8x ratio of HighPrep PCR Cleanup System (MagBio) as per manufacturer's instructions. Sequencing was performed using single end 50 base pair sequencing reads.